

## E.KARTHIKEYAN

Mobile: 8526113272, Email: [ekarthikeyanbemech@gmail.com](mailto:ekarthikeyanbemech@gmail.com)  
Current Location: 43/17, North Poyer Street, Namagiripettai,  
Rasipuram Tk, Namakkal – 637406, Tamilnadu.



---

### **OBJECTIVE**

To acquire advanced knowledge in my concern, seeking a challenging career where my academic excellence will add value towards organization and personal growth.

### **PROFESSIONAL SYNOPSIS**

Organization : M/s Roots Industries India Limited, Coimbatore (Tier 1 Auto Ancillaries)  
Business : Manufacturer of Automotive Horns, Backup alarm& Electronic accessories.  
Major customers : TOYOTA, NISSAN, BOSCH, VW, BMW, PACCAR, CAT, NAVISTAR, TATA HITACHI..  
Experience : From May-2017 to Till Date / 2 Years  
Designation : Associate Quality Engineer  
Department : Customer Quality Engineering

### **SUMMARY OF TECHNICAL SKILLS**

#### ❖ Quality Engineering :

- Line and Warranty Failure analysis with compliance to ISO 9001:2015/IATF16949:2016 & customer specific standards like NDA, TSC3300G and other customer standards
- Handling of customer complaints – Plant& Field & Customer relationship.
- Warranty trend analysis – Received and Reported data, MIS data.
- Warranty cost and NC rejection analysis
- Hands on experience in Global 8 Disciplines (G8D).
- Experience in 7 Quality control tools, FTA, PPAP and APQP & SPC.
- Effectiveness monitoring of corrective actions through PTDB & Tracking sheet
- Documentation as per customer specified standards.
- Analytical& Good communicative skills.
- Team Player

### **ROLES AND RESPONSIBILITIES**

- Handling of customer complaints on both line rejection & field rejection with respective to auto components.
- Ensured adherence to the various quality measures viz., ISO9001:2015/IATF16949:2016 and by maintenance of appropriate required documentation/ records.

- Initiating suitable corrective actions to reduce rejection trends.
- Analyzing the failures using QC tools & reporting as per customer formats.
- Quality data presentation for and conducting quality review meeting, ASAKAI meeting with CFT in shop floors.
- Conducting product validations with adherence to IATF16949:2016 and Customer standards.
- Documentation as per ISO9001:2015/IATF16949:2016.
- Reliability testing of products to verify its adherence to customer specific requirement.
- Reliability testing of products as per standard & customer specific standards of OE Passenger and commercial vehicles manufacturers.
- Involved in various value engineering activities and product reliability improvement activities.
- Customer quality performance monitoring such as warranty claim handling.
- Product dismantling analysis for conforming the product quality.
- Coordinate with supplier quality team for supplier related defects.
- Joint investigations at customer location.
- Communication with the supplier for the problems and corrective action.
- Follow-up with source plant to get the countermeasures and submission to customers for clean cutoff for traded parts.
- Do analysis on cost of poor quality & make action plan for the same due to supplier related contribution factors.
- To make action plan & execute for PPM improvement and updating of Quality Data.

### **CAREER ACHIEVEMENTS:**

- Horn field usage survey using Data Logger to improve the product reliability mere the test bench.
- Team member in department refinement during TKML Audit.
- Team member in analyzing TKML – Point Plate Breakage Issue and reduced the warranty spike by adopting suitable Corrective action there by reducing Warranty Cost.
- Team member in joint analysis at customer locations like TKML, NISSAN, BOSCH, BULL, CAT.

### **CORE TOOLS EXPOSURE:**

- Global 8 Disciplines (G8D)
- 7 Quality Control tools
- Advanced Product Quality Planning (APQP), & PPAP.
- Data analysis using QLIKVIEW Software
- SAP Basics

## **PLATFORMS**

- Lotus Notes
- Proficiency in Microsoft Office packages
- Knowledge in Solidworks & Auto CADD.

## **ACADEMIC DETAILS:**

- Completed B.E. – Mechanical Engineering at Kumaraguru College of Technology, with a CGPA of 7.9.
- Completed Diploma in Mechanical Engineering from MuthayammalPolytechnic College, Namakkal, DOTE with aggregate of 95.5%.
- Passed Std. X with 78.2% marks from Kalaimagal Matriculation Higher Secondary School, Namakkal.

## **ACADEMIC ACHIEVEMENTS& ACTIVITIES:**

- Presented a Paper titled “ALTERNATE SOURCE OF ENERGIES” in a Paper Presentation Contest of National Level Technical Symposium organized by Mechanical Engineering department of Nehru Institute of Technology, Coimbatore.
- Presented a Paper titled “NANOTECHNOLOGY AND ITS ADVANTAGES” in a Paper Presentation Contest ofNationalLevel Technical Symposiumorganized by MechanicalEngineering department ofThiagarajar Polytechnic College, Salem.
- Attended an In plant Training on “Heavy Commercial Vehicle Maintenanceand Service” in Tata VST MOTORS, Salem.
- Attended an In plant Training on “Basic Training Regarding the AutomotiveComponents” in VANSTECH, Chennai.
- Won Second Prize on “TECHNO QUIZ” held at Nehru Institute of Technology, Coimbatore.
- Got 100% attendance for three consecutive years from 2010 to 2013during my diploma course.

## **ACADEMIC PROJECTS**

- Design and Fabrication of Abrasive Jet Machine forGlass and Ceramic Cutting.
- Automatic Material Transporting Machine.
- Automatic TMT Rod Bending Machine.

## **PERSONAL DOSSIER**

Date of Birth : 06.04.1995  
Father's name : K.Elangovan  
Nationality : Indian

Permanent Address : 43/17, North Poyer Street, Namagiripettai Po, Rasipuram Tk,  
Namakkal – 637406.

Languages Known	:	S	R	W
English		✓	✓	✓
Tamil		✓	✓	✓

I hereby declare that the above-mentioned information is true to the best of my knowledge.

Place: Coimbatore

Sincerely,

(Karthikeyan.E)